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CS 240: Introduction to Computer Science I

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CS 240 **Introduction to Computer Science I**

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Office Hours: Monday 4:30 - 5:30, Wednesday 1:30-3:30 or by appointment

Textbook: Big C++, C. Horstmann and T. Budd, Wiley, 2005.

Language: Microsoft Visual C++ 6.0 Compiler,
(available in the library)

| | | | |
|------------------|---|-------------------------|-----|
| Workload: | 4 | Programming Assignments | 30% |
| | 8 | Laboratory Exercises | 20% |
| | 2 | Examinations | 25% |
| | 1 | Final Examination | 25% |

No late projects or laboratory exercises will be accepted. Partial credit is available so always submit the work you have completed on the assigned due date.

Grading: 90-100 A, 80-89.9 B, 70-79.9 C, 60-69.9 D, below 60 F

| <u>Week</u> | <u>Reading</u> | |
|-------------|--|------------------------------------|
| 1 | Introduction to Computers and Programming Number Systems Data Types, Variables, and Simple I/O | Ch. 1 Appendix F Ch. 2.1-2.4 |
| 2 | Arithmetic and String Expressions Quick Introduction to Objects | Ch. 2.5-2.6 Ch. 3 |
| 3 | Basic Flow of Control (Conditional Decisions and Iteration) | Ch. 4 |
| 4 | Functions Examination 1 (Covers chapters 1-4) | Ch. 5.1-5.6 |
| 5 | Procedures and Software Design | Ch. 5.7-5.13 |
| 6 | Classes | Ch. 6 |
| 7 | Advanced Flow of Control | Ch. 7 |
| 8 | Testing and Debugging Examination 2 (Covers chapter 5-7) | Ch. 8 |
| 9 | 1-D Vectors and Arrays | Ch. 9.1-9.5.3 |
| 10 | Multi-dimensional Vectors and Arrays Review | Ch. 9.5.4 |